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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/669,842	09/24/2003	Vafa Rakshani	13323US07	4429
23446	7590	06/15/2005	EXAMINER	
MCANDREWS HELD & MALLOY, LTD 500 WEST MADISON STREET SUITE 3400 CHICAGO, IL 60661			KIM, PAUL L	
			ART UNIT	PAPER NUMBER
			2857	

DATE MAILED: 06/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

H.A

**Office Action Summary**

Application No.

10/669,842

Applicant(s)

RAKSHANI ET AL.

Examiner

Paul Kim

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 24 September 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 31-47 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 31 and 36-47 is/are rejected.
- 7) ☒ Claim(s) 32-35 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 31, 36, 41, 42, and 47 are rejected under 35 U.S.C. 102(b) as being anticipated by Katzenberg et al.

With regard to claim 31, Katzenberg et al teaches a transmission line interface having at least one port (fig. 3, part 66), a two-way transmission line connected to one of the ports (fig. 1, part 12), and a device coupled to the transmission line, the device selectively coupling the line together when the device requires power (fig. 1, part 10).

With regard to claim 36, Katzenberg et al teaches the transmission line interface outputting a signal to the device through the two-way transmission line and determining that the device requires power when the transmission line detects the signal through the two-way line (col. 2, lines 66+).

With regard to claim 41, Katzenberg et al teaches the detector comprising a power source selectively coupled to the device (fig. 1, part 16).

With regard to claim 42, Katzenberg et al teaches the device comprising an IP phone (col. 1, lines 35-40).

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With regard to claim 47, Katzenberg et al teaches the transmission line interface comprising a switch (fig. 1, part 28).

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 37 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Katzenberg et al in view of Lynch.

Katzenberg et al teaches the ability to detect signals from a device after a signal is outputted to a transmission line but does not specify a signal being detected within a certain time frame. Lynch teaches a transmission line sensing method in which a signal is placed on the line and a signal is detected within a certain time amount of time (col. 3, lines 26-36). It would have been obvious to one of ordinary skill in the art, at the time of the invention, to modify Katzenberg et al, so that the signal is detected within a certain amount of time, as taught by Lynch, so as to improve signal reliability.

5. Claims 39 and 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Katzenberg et al in view of Bertram et al.

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Katzenberg et al does not teach the transmission line outputting a pseudo random word comprising a plurality of pulses. Bertram et al teaches a pseudo random pulse generator transmitting and receiving data (see abstract). It would have been obvious to one of ordinary skill in the art, at the time of the invention, to modify Katzenberg et al, so that the transmission line outputs a pseudo random word comprising a plurality of pulses, as taught by Bertram et al, in order to communicate unique identifiers that can only be recognized by certain devices for enhanced security.

6. Claims 43-46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Katzenberg et al in view of Lehr et al.

Katzenberg et al does not specify the system comprising a second device. Lehr et al teaches a power distribution system in a which an IP phone and a computer are connected to a transmission line, with some equipment requiring power and other equipment not requiring power (fig. 2, parts 76 & 96), and the transmission line providing communication between the devices when the power source is selectively coupled (fig. 2, part 18). It would have been obvious to one of ordinary skill in the art, at the time of the invention, to modify Katzenberg et al, so that the system comprises more than one device requiring power, as taught by Lehr et al, so as to increase system versatility by being able to connect to a variety of equipment.

***Allowable Subject Matter***

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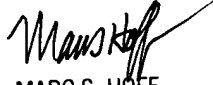
7. Claims 32-35 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul Kim whose telephone number is 703-305-7468. The examiner can normally be reached on Monday-Thursday 10:00-7:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marc Hoff can be reached on 703-308-1677. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-4440 for regular communications and for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

PK  
June 6, 2005

  
MARC S. HOFF  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800